# MDM-W201S

*20.1" Multimedia Industrial TFT LCD Monitor*

The MDM-W201S is a heavy-duty, durable, high-resolution touch-screen display with high contrast ratios and multiple video input connectors including VGA,DVI-D, Component, Composite and S-Video. The MDM-W201S also supports multiple video signals including NTSC and PAL.

The MDM-W201S is designed for outdoor applications or applications in similarly demanding environments. The MDM-W201S is ideal for implementation in outdoor advertising platforms and information kiosks at gas stations, theme parks, train stations and other outdoor venues.

Remote Control for OSD Function

Ambient Light Sensor

PIP Function

Optional 8-wire resistive touch screen

16:10 Wide Screen

## Features

1. 20.1” TFT LCD wide screen
2. 16:10 aspect ratio
3. High definition resolution: 1680 x 1050
4. Supports resolutions from VGA to UXGA,HDTV 1080i and NTSC/PAL
5. Ultra wide viewing angle: 178°(H)/178°(V) Super IPS technology
6. High contrast ratio (800:1)
7. Fast response time (14 msec)
8. Multiple Video Input Selections: VGA, DVI, S-Video, Component and Composite
9. Variable PIP window
10. Built-in ambient light sensor (ALS)
11. Optional 8-wire resistive touch systems (For VGA or DVI Signal Inputs)
12. IP 65 front panel compliance

## Enhanced Viewing Experience

### ■ 1680 x 1050 High Resolution Picture Quality

The 1680 x 1050 WSXGA+ format MDM-W201S models have sharp and clear screen images required for applications such as digital imaging and multimedia presentations. Great pictures are guaranteed with the 16.7M color (8-bit/color) display.

### ■ 178° Ultra View allows multi-direction viewing

S-IPS (In-Plane-Switching) technology on the MDM-W201S reduces the color variations and maintains the color accuracy, the low gamma distortion and the high contrast ratio of the on-screen image from any viewing angle.

General Panel

S-IPS mode

***Digital Signage Display***

Wide viewing angles for multi-viewer applications

### ■ 16:10 Wide Screen for multi-display

16:10 wide screen landscape display is an ideal design for the multi-display such as digital surveillance or multi-operating-system.

Wide screen design for the multi-display requirement

### ■ Portrait Display Improves Your View

The MDM-W201S can be a portrait orientation display to save the space and display better images for web pages and forms in full-page orientation where the entire contents of the application can be viewed on the screen.

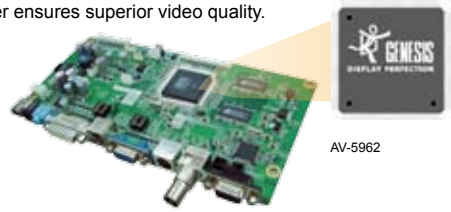
Tuning a monitor's display by driving software.
*(Only for DVI and VGA inputs)*

## IP 65 compliant aluminum front panel

IP 65 standard is the highest dusty, water and oil proof level in ground usage, it absolutely prevents any micro-particle in to the system from front panel, and let the system adapting harsh environment.

### ■ Superior Video Quality

Advanced patented imaging technology on the MDM-W201S LCD controller ensures superior video quality.



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With VGA/YPbPr video input, the AFOLUX multimedia monitors can accept 1080i high resolution images.

### ● *Response Time Compensation*

The MDM-W201S features fast response time compensation that affects the quality of dynamic images on the screen, resulting in moving images that are clean and crisp.

Without RTC

With RTC

### ● *DCDi Edge Processing*

Eliminates the jagged edges analog diagonal image lines resulting from video interpolation.

Without DCDi

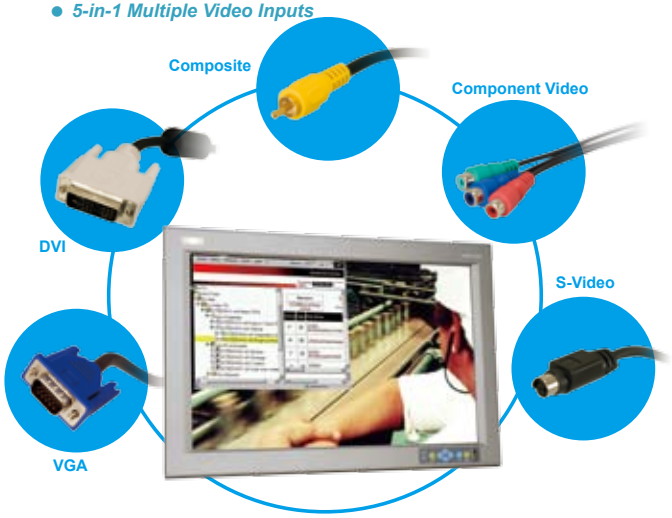
With DCDi

## Convenience

### ■ 5-in-1 Multiple Video Inputs and Variable PIP (Picture-in-Picture) up to 640x480

The MDM-W201S has 5-in-1 input interface to support VGA,DVI-D, Component Video, Composite Video and S-Video multiple video input interfaces that easily connect to most PCs, embedded systems, DVD players and other video output devices.

● *5-in-1 Multiple Video Inputs*



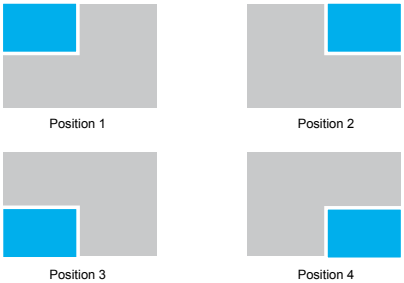
● *Variable PIP: Size and Position Adjustable*

Users can select any two signal inputs as picture in picture screens. The second screen size can be adjusted up to 640x480

*SMALL* *Middle*

*Large* *Side by Side*

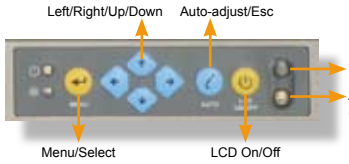
Changeable Position allows users move the second screen easily

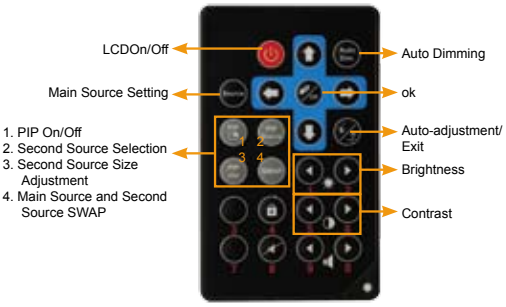



### ■ Remote Control for OSD Functions

Hot-keys on the remote control include PIP zone, main source setting, auto-dimming, brightness and contrast adjustments.

OSD functions are accessed via a water proof membrane keypad on the front panel.




The remote control that comes with the monitor is equipped with its own OSD functions that allows users to configure the monitor from remote locations.

### ■ Ambient Light Sensor

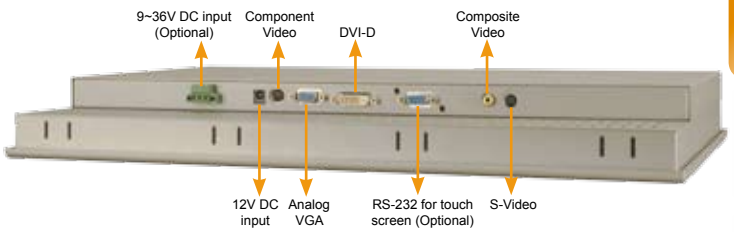
The MDM-W201S has a smart sensor that could auto detect the amount of light in the viewing environment and auto-adjusts the brightness of the screen.

● *Reduces cost of operation by reducing the power usage*
● *Extends backlight life*
● *Provides comfortable viewing*

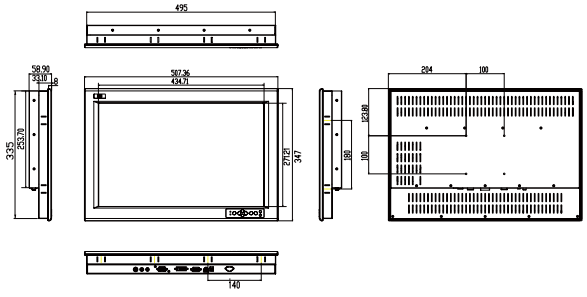
## I/O PORT

### ■ RS-232 for touch screen

(Optional )
(Only for VGA and DVI signal input)




## Dimensions



## Mounting Options

| Model | MDM-201S |
|---|---|
| Panel Mount Kits | PK-201M |
| Wall Mount Kits | WK-201MS-R10 |
| Rack Mount Kits | N/A |
| Din Mount Kits | N/A |
| LCD Monitor Arm | ARM-31 |
| LCD Monitor Stand | Stand-200-RS |

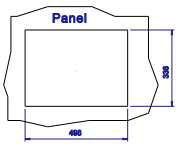
Wall Mount

Stand Kits

Arm Kits

Panel Mount Kits

■ How to panel mount?




***Step 1:*** Cut out a section from the panel that corresponds to the dimensions of the MDM-W201S display monitor chassis. (Suggested cut out dimensions on the panel-Width:498 mm/Height:338 mm)

***Step 2:*** Insert the panel mounting clamps into the pre-formed holes along the edges of the chassis, behind the aluminum frame. There are a total of 12 panel mounting clamps for MDM-W201S.

***Step 3:*** Tighten the screws that pass through thepanel mounting clamps until the plastic caps at thefront of all the screws are firmly secured to the panel.

## Specifications

| | |
|---|---|
| Case/bezel color | Silver heavy-duty steel chassis and aluminum front bezel |
| Display size | 20.1" diagonal |
| Aspect Ratio | 16:10 |
| Optimal (native) resolution | 1680x1050 (WSXGA+) |
| Colors | 16.7M (8-bit color) |
| Brightness | LCD panel 300 cd/m2 |
| Response time | 14 ms (typical) |
| Viewing angle (H/V) | 178°/178° |
| Contrast Ratio (typical) | 800:1 |
| Pixel Pitch | 258 mm (w) x 258 mm (h) |
| Input video signal connectors | D-Sub 15 pins VGA type, DVI-D 24 pins, S-Video, Component, Composite |
| Power Source | 100-240 VAC Universal |
| | +9~+36VDC (Optional) |
| Operating Temperature | 0°C to 50°C |
| Storage Temperature | -20°C to 60°C |
| Humidity | 5%~95% @ 60°C, non-condensing (operating) |
| Shock | 10G acceleration peak to peak. (11ms) |
| Vibration | -5~17Hz 0.1" double amplitude displacement |
| | -17~640 Hz 1.5G acceleration peak to peak |
| Backlight lamp life | 50,000 hours to half brightness |
| User's controls | OSD Buttons:<br>menu, up, down, right, left, LCD on/off, auto adjust |
| | OSD:<br>Image (Brightness, Contrast, Sharpness)<br>Display (auto adjust, phase, clock, display control)<br>Picture in Picture (on/off, input select, size, positioin, color controls, blend)<br>Color (auto color, color temperature, sRGB)<br>System (factory reset, information, input select, OSD configuration, auto brightness) |
| Smart OSD | Yes |
| Mounting options | 100 mm VESA mount |
| Touch Interface | USB or Serial (Optional) |
| Front Panel Protection | IP 65 Compliant |
| Dimensions (WxHxD mm) | 507.36 x 347 x 58.90 |
| Net Weight | 8.4 kg |
| Other Features | Ambient Light Sensor; Remote Control for OSD functions |

## Ordering Information

Note: The smartOSD function is supported by revision 11 models and above

| Part No. | Description |
|---|---|
| **MDM-W201S-R11/T-R** | 20.1" 300 cd/m² WSXGA LCD Monitor with VGA, DVI-D, S-Video, composite, Component Video inputs, integrated auto-dimming and remote control, aluminum front panel with silver color, equipped with touch screen, RoHS |
| **MDM-W201MS-R11/T-R** | 20.1" 300 cd/m² WSXGA LCD Monitor with VGA, DVI-D, S-Video, composite, Component Video inputs, integrated auto-dimming and remote control, aluminum front panel with silver color, equipped wit h 9~36V DC in and touch screen, RoHS |
| **MDM-W201S-USB-R11/T-R** | 20.1" 300 cd/m² WSXGA LCD Monitor with VGA, DVI-D, S-Video, composite, Component Video inputs, integrated auto-dimming and remote control, aluminum front panel with silver color, equipped with USB touch screen, RoHS |
| **MDM-W201MS-USB-R11/T-R** | 20.1" 300 cd/m² WSXGA LCD Monitor with VGA, DVI-D, S-Video, composite, Component Video inputs, integrated auto-dimming and remote control, aluminum front panel with silver color, equipped wit h 9~36V DC in and USB touch screen, RoHS |

## Packing List

| | |
|---|---|
| 1 x LCD monitor | 1 x Remote Control Bracket |
| 1 x DVI Cable | 1 x AC Power Cable |
| 1 x VGA Cable | 1 x Wire Strain Band |
| 1 x Remote Control | 1 x Screw Set |
| 1 x Component Cable | 1 x Power Cable for Terminal Block (for M model) |
| 1 x User's Manual-CD-ROM | 1 x Touch Screen RS-232 Cable / Touch Pen / Driver CD-ROM (for T-R model) |
| 1x 60W AC Power Adapter | 1 x Touch Screen USB Cable / Touch Pen / Driver CD-ROM (for USB / T-R model) |

Remote Control

Remote Control Bracket

Component Cable